

Banjo Bill Rockfall Containment ADOT Partnering Excellence Award



Project Design



Install a basin at the bottom of two natural swales to protect the travelling public & adjacent campground from falling boulders



Project Challenges

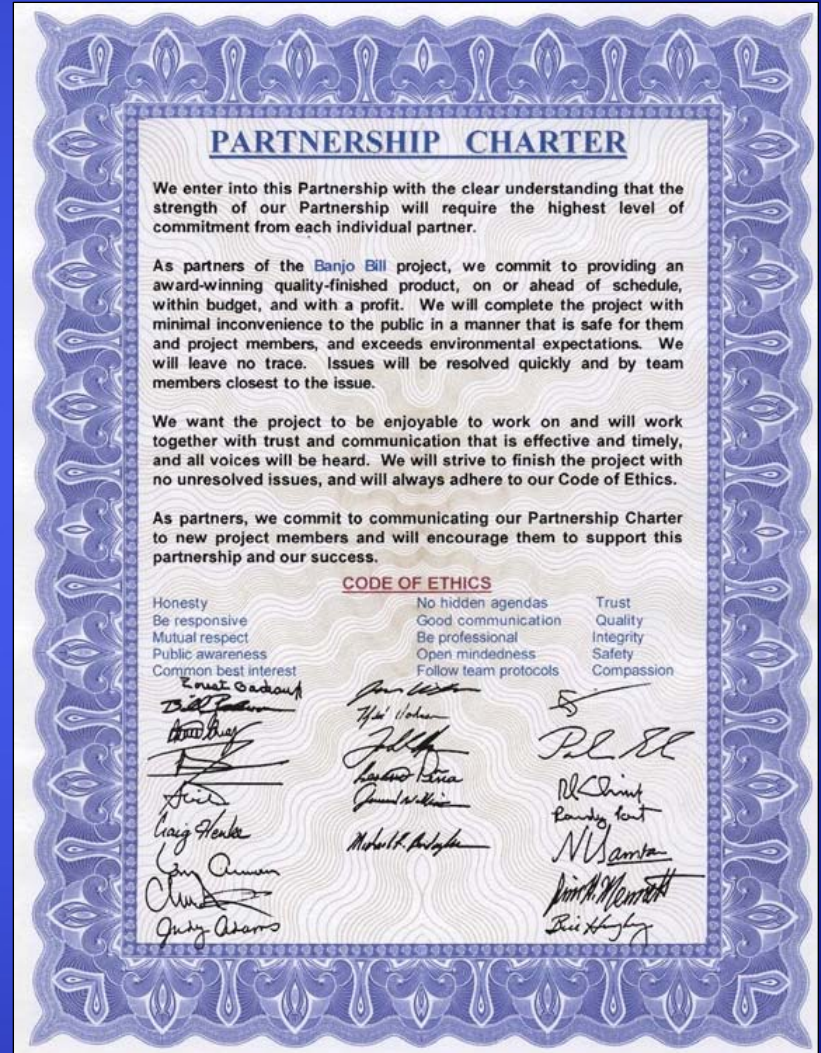
- Difficult ground conditions & work access
- Environmentally sensitive area – special aesthetic requirements
- Short schedule due to endangered species, winter construction.
- Specialized wall design
- Busy traffic on roadway
- Danger of rockfall and slope movement during work



Preconstruction Partnering Meeting

Very beneficial for:

- Establishing relationships between project principals
- Sharing of problems experienced during the 1st attempt at completing the project
- Opportunity to convey dedication to successful completion of the project



Work Access



Temporary walls designed by DBM were built to provide work area for the wall installations & to allow room for the successful flow of traffic

Special Expertise



The GC for the project was required by the specifications to have expertise with the wall installation methods, which limited the list of contractors that could bid on the project.



The irregular alignment of the walls were a challenge to the concrete installation. Special fencing was installed above the walls to catch boulders that may fall during the work.

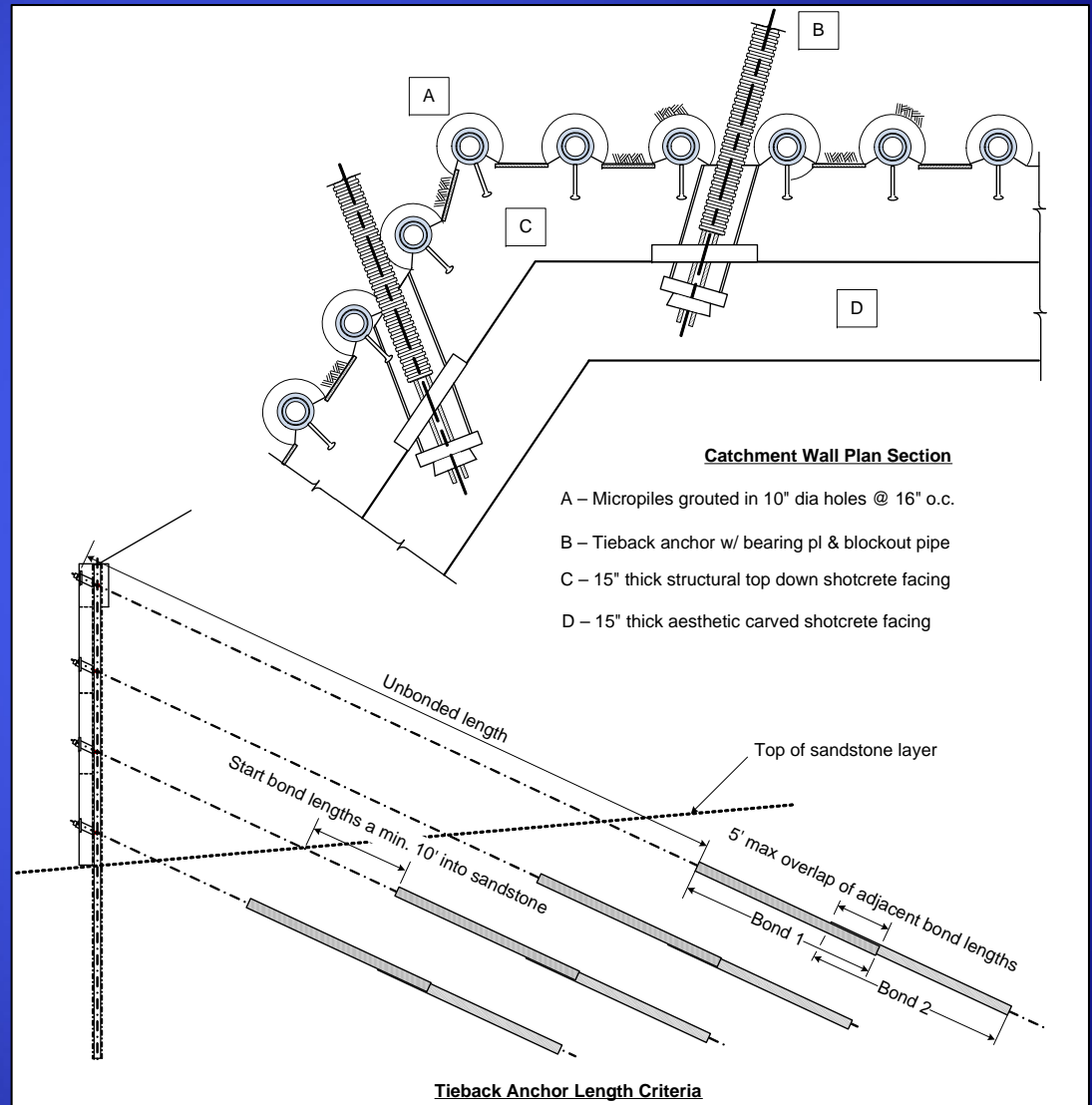
Partnering Successes



Installing a facing which met the aesthetic expectations of the Project Owners

Partnering Successes

Review and
incorporation of
contractor design
details within a
short construction
schedule



Got'er Done



Motto Printed on project shirts at the
end of the project celebration

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Project Partners - Key members of the project team:

Arizona DOT – Owner - Astrid Potter & Jim Monnett

Forest Service – Owner – Judy Adams

DBM Contractors – GC – Greg Domgaard, Craig Henke,
John Bickford, Paul Groneck

URS Corporation – Structural Design – Randy Simpson

NCS Consultants – Geotechnical Design – Naresh Samtani

Schraner Associates – Architectural Design – Dave Schraner

Boulderscape – Carved Shotcrete – Steve Jimenez

Ground Support – Alternative Designer – Chris Wolschlag

